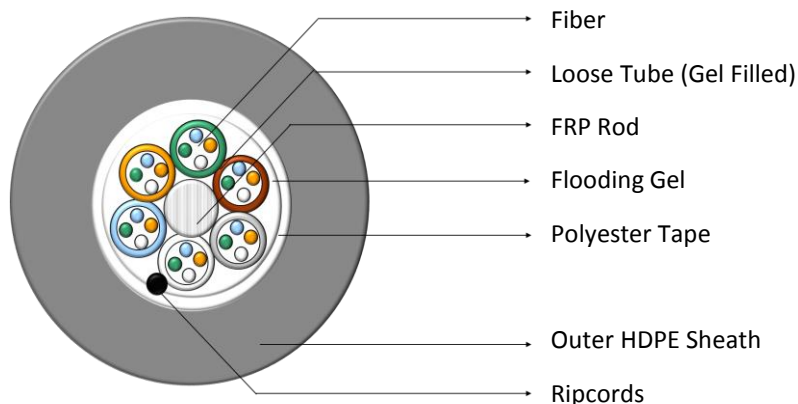


# Unarmoured Cables **Multitube Single Sheath**



## Features

- This design offers a reliable transmission performance over a broad temperature range.
- Multiple fiber types, including hybrid.
- High Fiber density.
- Flame Retardant (Optional)
- Multiple Network applications

## Applications

- Underground duct and lashed
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

## Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

## Construction Details

Optical Fibers are placed inside filled buffer tubes containing gel. The core is constructed by stranding the buffer tubes around a central member. The core is covered with a water-blocking tape and a black outer sheath is applied. Ripcords are included under outer sheath for ease of entry.

## Specifications

Cable Configuration					
Fiber Count	Number of Fibers per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
2-12F	2	1-6	9.0	65	1000
24F	4	6	9.0	65	1000
48F	8	6	10.0	75	1500
96F	12	8	11.0	100	2000
144F	12	12	13.5	160	3000

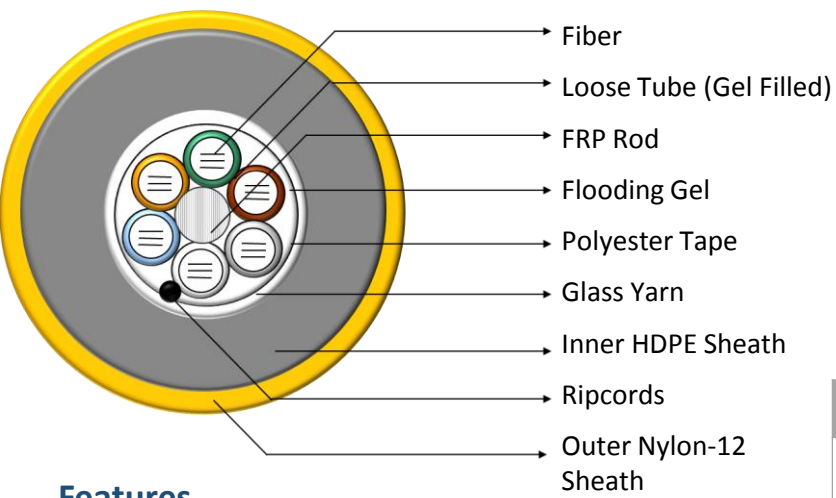
## Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C  
 Installation: -30°C to +75°C

## Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900

# Unarmoured Cables Ribbon Multitube



## Features

- This design offers a reliable transmission performance over a broad temperature range.
- Ribbon Fibers – 8 fibers per ribbon
- High Fiber density up to 576 fibers
- Improved compressive strength
- The Nylon-12 outer jacket protects the cable from rodent bites
- Multiple Network applications.

## Applications

- Underground duct and lashed aerial
- Trunk distribution and feeder cable
- Local loop, Metro, Long Haul and broadband network

## Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

## Construction Details

Fibers ribbons are placed inside gel-filled tubes. Each tube contains up to 12 discretely identified, 12-fiber ribbons for maximum design load capacity of 576 optical fibers. The core is helically wrapped with water-blocking strength members. Ripcords are included under the inner sheath for ease of entry. A Nylon-12 outer jacket protects the cable from rodent bites.

## Specifications

Cable Configuration					
Fiber Count	Number of Ribbons per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
48	1	4	19.0	280	4000
96	1, 2	2 tubes with 1 ribbon 3 tubes with 2 ribbon	19.0	280	4000
144	2	6	20.5	340	4500
288	6	4	24.0	525	6000
576	8	6	30.0	740	6000

## Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C  
 Installation: -30°C to +75°C

## Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900